

Title (en)
Hermetic compressor

Title (de)
Hermetischer Verdichter

Title (fr)
Compresseur hermétique

Publication
EP 2472113 A2 20120704 (EN)

Application
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Abstract (en)
A hermetic compressor includes a closed vessel for storing lubricating oil, an electric-driving element, and a compressing element driven by the electric-driving element. The compressing element includes a cylinder block forming a compression chamber, a piston that reciprocates inside the compression chamber, and an oiling device for supplying the lubricating oil to an outer circumference of the piston. A first oil groove is concavely formed on the outer circumference of the piston, and a second oil groove is concavely formed on a side opposite to the compression chamber relative to the first oil groove. The second oil groove has a spatial volume same or greater than that of the first oil groove. An expanded clearance portion is provided such that a clearance between the piston and the cylindrical hole portion broadens from a top dead point to a bottom dead point.

IPC 8 full level
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Citation (applicant)
• JP 2002089450 A 20020327 - SANYO ELECTRIC CO
• JP 2005307795 A 20051104 - MATSUSHITA ELECTRIC IND CO LTD
• JP H07508333 A 19950914

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